

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: November 27, 1995  
Date Received: November 16, 1995  
Project: Metro Self Monitor, PO #M51367  
Date Samples Extracted: November 21, 1995  
Date Extracts Analyzed: November 22, 1995

**RESULTS FROM THE ANALYSIS OF THE PROCESS WATER SAMPLE  
FOR CHROMIUM, COPPER, NICKEL, ZINC**

**Sample Processed Using Method 3005**

**Samples Analyzed Using Method 6010**

**Results Reported as mg/L (ppm)**

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M 51367	1.1	0.71	0.89	0.07
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: November 27, 1995

Date Received: November 16, 1995

Project: Metro Self Monitor, PO #M51367

**QUALITY ASSURANCE RESULTS  
FOR CHROMIUM, COPPER, NICKEL, ZINC  
Sample Processed Using Method 3005  
Samples Analyzed Using Method 6010**

Laboratory Code: KJ63901DUP

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Sample Result</u>	<u>Duplicate Result</u>	<u>Relative Percent Difference</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	1.1	1.2	9	0-20
Copper	mg/L (ppm)	0.71	0.71	0	0-20
Nickel	mg/L (ppm)	0.89	0.91	2	0-20
Zinc	mg/L (ppm)	0.07	0.06	15	0-20

Laboratory Code: KJ63901MS/KJ63901MD

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>Sample Result</u>	<u>% Recovery</u>		<u>Acceptance Criteria</u>	<u>Relative Percent Difference</u>
				<u>MS</u>	<u>MSD</u>		
Chromium	mg/L (ppm)	5	1.1	96	94	80-120	2
Copper	mg/L (ppm)	5	0.71	94	94	80-120	0
Nickel	mg/L (ppm)	10	0.89	96	94	80-120	2
Zinc	mg/L (ppm)	5	0.07	95	97	80-120	2

Laboratory Code: Spike Blank

<u>Analyte:</u>	<u>Reporting Units</u>	<u>Spike Level</u>	<u>% Recovery MS</u>	<u>Acceptance Criteria</u>
Chromium	mg/L (ppm)	5	100	80-120
Copper	mg/L (ppm)	5	102	80-120
Nickel	mg/L (ppm)	10	100	80-120
Zinc	mg/L (ppm)	5	98	80-120

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

**November 27, 1995**

**INVOICE #95ACU1127-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

**RE:** Project Metro Self Monitor, PO #M51367: Results of testing requested by  
Gerry Thompson, Project Leader for material submitted on November 16,  
1995.

1 process water sample analyzed for  
Chromium, Copper, Nickel, Zinc  
@ \$65 per sample

\$ 65.00

**Amount Due .....**

**\$ 65.00**





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Seattle, WA 98119-2029  
FAX: (206) 283-5044

**November 27, 1995**

**Gerry Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134**

**Dear Mr. Thompson:**

**Enclosed are the results from the testing of material submitted on November 16, 1995 from your Metro Self Monitor, PO #M51367 project.**

**We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.**

**Sincerely,**

**FRIEDMAN & BRUYA, INC.**



**Kurt Johnson  
Chemist**

**keh  
Enclosures  
FAX: 382-7335  
ACU1127R.DOC**